

A. Marschke

19 *planned*
1.31.01

1631

RAW SEQUENCE LISTING

PATENT APPLICATION: US/08/817,067A

DATE: 01/19/2001

TIME: 14:06:34

Input Set : A:\Isis2112.app

Output Set: N:\CRF3\01192001\H817067A.raw

ENTERED

RECEIVED

JAN 30 2001

TECH CENTER 1600/2900

3 <110> APPLICANT: Nielsen, Peter
4 Buchardt, Dorte
5 Sonnichsen, Soren Holst
6 Lohse, Jesper
7 Egholm, Michael
8 Manoharan, Muthiah
9 Kiely, John
10 Griffith, Michael
11 Sprankle, Kelly
13 <120> TITLE OF INVENTION: Peptide Nucleic Acid Conjugates
15 <130> FILE REFERENCE: ISIS2112
17 <140> CURRENT APPLICATION NUMBER: 08/817,067A
18 <141> CURRENT FILING DATE: 1997-04-04
20 <150> PRIOR APPLICATION NUMBER: PCT/US95/12931
21 <151> PRIOR FILING DATE: 1995-10-06
23 <150> PRIOR APPLICATION NUMBER: USSN 08/319,411
24 <151> PRIOR FILING DATE: 1994-10-06
26 <150> PRIOR APPLICATION NUMBER: 08/088,658
27 <151> PRIOR FILING DATE: 1993-07-02
29 <150> PRIOR APPLICATION NUMBER: 08/088,661
30 <151> PRIOR FILING DATE: 1993-07-02
32 <150> PRIOR APPLICATION NUMBER: 08/275,951
33 <151> PRIOR FILING DATE: 1994-07-15
35 <150> PRIOR APPLICATION NUMBER: 986/91
36 <151> PRIOR FILING DATE: 1991-05-24
38 <150> PRIOR APPLICATION NUMBER: 987/91
39 <151> PRIOR FILING DATE: 1991-05-24
41 <150> PRIOR APPLICATION NUMBER: 510/92
42 <151> PRIOR FILING DATE: 1992-04-15
44 <160> NUMBER OF SEQ ID NOS: 161
46 <170> SOFTWARE: PatentIn Ver. 2.1
48 <210> SEQ ID NO: 1
49 <211> LENGTH: 4
50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
56 <400> SEQUENCE: 1
57 gcat 4
60 <210> SEQ ID NO: 2
61 <211> LENGTH: 4
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
68 <400> SEQUENCE: 2
69 gcat 4

RAW SEQUENCE LISTING
PATENT APPLICATION: US/08/817,067A

DATE: 01/19/2001
TIME: 14:06:34

Input Set : A:\Isis2112.app
Output Set: N:\CRF3\01192001\H817067A.raw

RECEIVED**JAN 30 2001****TECH CENTER 1600/2900**

72 <210> SEQ ID NO: 3
73 <211> LENGTH: 4
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
80 <400> SEQUENCE: 3
81 gcat 4
84 <210> SEQ ID NO: 4
85 <211> LENGTH: 4
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
92 <400> SEQUENCE: 4
93 gcat 4
96 <210> SEQ ID NO: 5
97 <211> LENGTH: 4
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
104 <400> SEQUENCE: 5
105 gcat 4
108 <210> SEQ ID NO: 6
109 <211> LENGTH: 4
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
116 <400> SEQUENCE: 6
117 gcat 4
120 <210> SEQ ID NO: 7
121 <211> LENGTH: 4
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
128 <400> SEQUENCE: 7
129 gcat 4
132 <210> SEQ ID NO: 8
133 <211> LENGTH: 4
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
140 <400> SEQUENCE: 8
141 gcat 4
144 <210> SEQ ID NO: 9

RAW SEQUENCE LISTING
PATENT APPLICATION: US/08/817,067A

DATE: 01/19/2001
TIME: 14:06:34

Input Set : A:\Isis2112.app
Output Set: N:\CRF3\01192001\H817067A.raw

145 <211> LENGTH: 4
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
152 <400> SEQUENCE: 9
153 gcat 4
156 <210> SEQ ID NO: 10
157 <211> LENGTH: 4
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
164 <400> SEQUENCE: 10
165 gcat 4
168 <210> SEQ ID NO: 11
169 <211> LENGTH: 4
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
176 <400> SEQUENCE: 11
177 gcat 4
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 4
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
188 <400> SEQUENCE: 12
189 gcat 4
192 <210> SEQ ID NO: 13
193 <211> LENGTH: 4
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
200 <400> SEQUENCE: 13
201 gcat 4
204 <210> SEQ ID NO: 14
205 <211> LENGTH: 4
206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
212 <400> SEQUENCE: 14
213 gcat 4
216 <210> SEQ ID NO: 15
217 <211> LENGTH: 4

RAW SEQUENCE LISTING
PATENT APPLICATION: US/08/817,067A

DATE: 01/19/2001
TIME: 14:06:34

Input Set : A:\Isis2112.app
Output Set: N:\CRF3\01192001\H817067A.raw

218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
224 <400> SEQUENCE: 15
225 gcat 4
228 <210> SEQ ID NO: 16
229 <211> LENGTH: 4
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
236 <400> SEQUENCE: 16
237 gcat 4
240 <210> SEQ ID NO: 17
241 <211> LENGTH: 4
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
248 <400> SEQUENCE: 17
249 gcat 4
252 <210> SEQ ID NO: 18
253 <211> LENGTH: 4
254 <212> TYPE: DNA
255 <213> ORGANISM: Artificial Sequence
257 <220> FEATURE:
258 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
260 <400> SEQUENCE: 18
261 gcat 4
264 <210> SEQ ID NO: 19
265 <211> LENGTH: 4
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
272 <400> SEQUENCE: 19
273 gcat 4
276 <210> SEQ ID NO: 20
277 <211> LENGTH: 4
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
284 <400> SEQUENCE: 20
285 gcat 4
288 <210> SEQ ID NO: 21
289 <211> LENGTH: 4
290 <212> TYPE: DNA

RAW SEQUENCE LISTING DATE: 01/19/2001
PATENT APPLICATION: US/08/817,067A TIME: 14:06:34

Input Set : A:\Isis2112.app
Output Set: N:\CRF3\01192001\H817067A.raw

291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
296 <400> SEQUENCE: 21
297 gcat 4
300 <210> SEQ ID NO: 22
301 <211> LENGTH: 4
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
308 <400> SEQUENCE: 22
309 gcat 4
312 <210> SEQ ID NO: 23
313 <211> LENGTH: 4
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
320 <400> SEQUENCE: 23
321 gcat 4
324 <210> SEQ ID NO: 24
325 <211> LENGTH: 4
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
332 <400> SEQUENCE: 24
333 gcat 4
336 <210> SEQ ID NO: 25
337 <211> LENGTH: 4
338 <212> TYPE: DNA
339 <213> ORGANISM: Artificial Sequence
341 <220> FEATURE:
342 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
344 <400> SEQUENCE: 25
345 gcat 4
348 <210> SEQ ID NO: 26
349 <211> LENGTH: 4
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: Description of Artificial Sequence: Novel Sequence
356 <400> SEQUENCE: 26
357 gcat 4
360 <210> SEQ ID NO: 27
361 <211> LENGTH: 4
362 <212> TYPE: DNA
363 <213> ORGANISM: Artificial Sequence

RECEIVED

JAN 30 2001

TECH CENTER 1600/2900

VERIFICATION SUMMARY

PATENT APPLICATION: US/08/817,067A

DATE: 01/19/2001

TIME: 14:06:35

Input Set : A:\Isis2112.app

Output Set: N:\CRF3\01192001\H817067A.raw

L:1047 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:1096 M:259 W: Field exceeds allowed number of lines, <223> Other Information:
L:1145 M:259 W: Field exceeds allowed number of lines, <223> Other Information: